
BRACKEN COUNTY

(Bracken County Water Service Area Map)

- Estimated 1999 population of 8,300--70% on public water
- Estimated 2020 population of 8,550--86% on public water
- 175 miles of water lines, with plans for 120 additional miles
- Estimated funding needs for public water 2000-2005: \$4,500,000
- Estimated funding needs for public water 2006-2020: \$2,572,000

Brackent County had an estimated population of 8,280 (3,392 households) in 1999 with a projected population of 8,547 (3,728 households) in 2020. Public water is provided to about 70 percent of the county's residents. In areas of the county not served by public water, about 1/6 of the households rely on private domestic wells and 5/6 of the households rely on hauled water, cisterns and other sources. About 580 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
BRACKEN								-
Bracken Co. W/D	57.5	300	2,300			1,350	850	4,500
BRACKEN TOTAL	57.5	300	2,300			1,350	850	4,500

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
BRACKEN								-
Bracken Co. W/D	63.7	283	2,572					2,572
BRACKEN TOTAL	63.7	283	2,572					2,572

PUBLIC WATER SYSTEMS

Bracken County has 3 public water systems: 2 municipal systems, Augusta Regional Water Treatment Plant and Brooksville Utility; and 1 water district, Bracken County Water District. A few residents of the county are also served by Buffalo Trail Water District and Western Mason Water District.

WATER SERVICE AREAS

BRACKEN COUNTY

Kentucky

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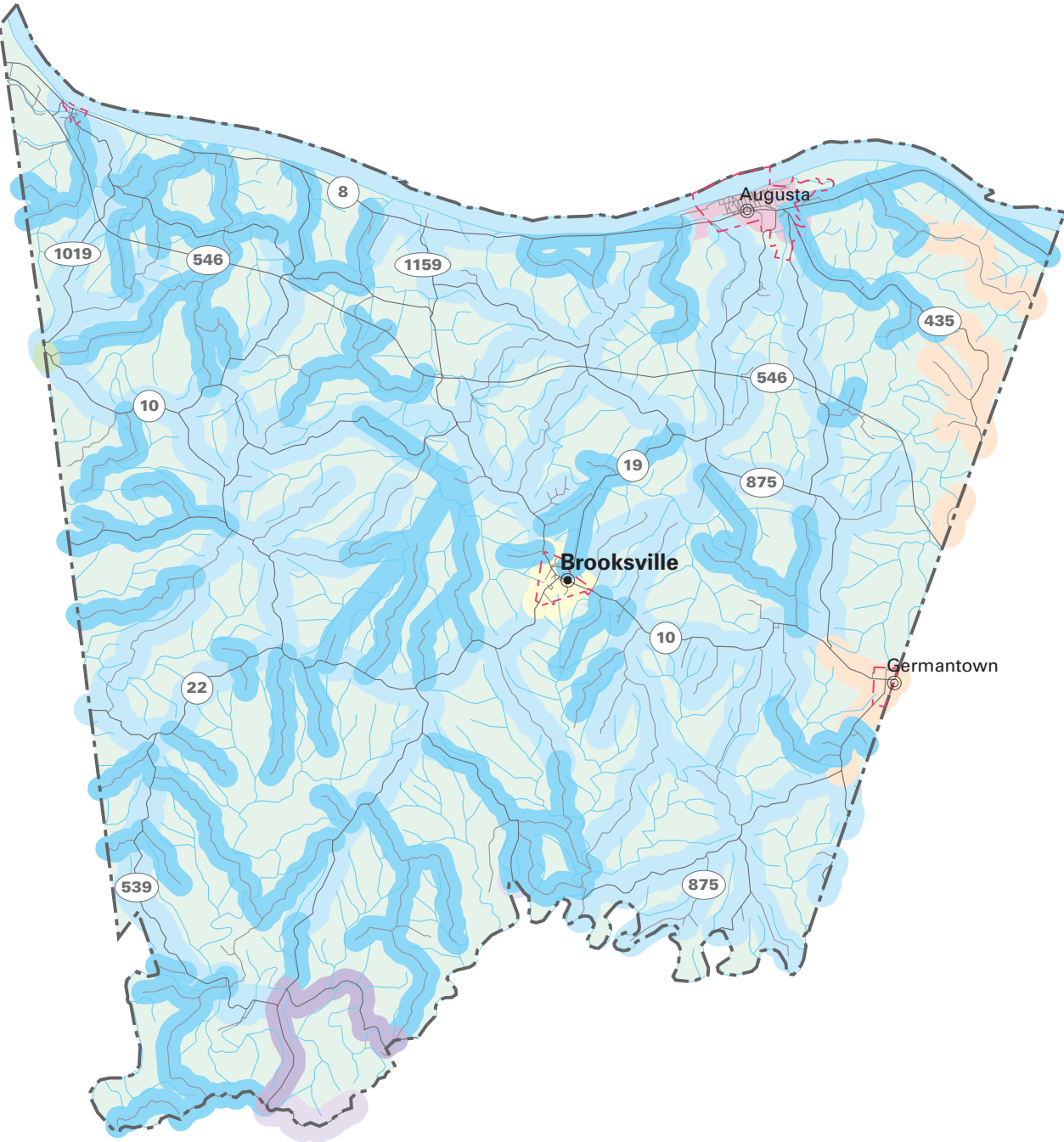
Bob Arnold, Chairman
Lawrence Wetherby, Executive Director



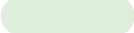
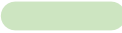


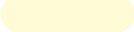

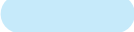



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WATER SERVICE STATUS BY OWNER		
EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		WESTERN MASON WATER DISTRICT
		EAST PENDLETON WATER DISTRICT
		BUFFALO TRAIL WATER ASSOCIATION
		BROOKSVILLE UTILITY
		BRACKEN COUNTY WATER DISTRICT
		AUGUSTA REGIONAL WTP



AUGUSTA REGIONAL WATER TREATMENT PLANT

PWSID: 0120013
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source:
Well Source: Yes
Sells Water to:
Treatment Plant Capacity (MGD): 0.70
Percent Daily Average Production: 93.00
Total Tank Storage Capacity (gallons): 300,000.00
Total Service Connections: 2,039.00
Number of Employees: 3.00
Treatment Operator Class: 2D
Distribution Operator Class: 3B
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

Augusta Regional Water Treatment Plant is located in Bracken County and was put into service in 1997. The regional plant provides water to the City of Augusta and Bracken County Water District. The Water District resells to the City of Brooksville. There does not seem to be any problems with the WTP providing adequate supply for future growth.

BRACKEN COUNTY WATER DISTRICT

PWSID: 0120039
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source: AUGUSTA REGIONAL WTP
Well Source:
Sells Water to: BROOKSVILLE UTILITY
Treatment Plant Capacity (MGD): 0.29
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 300,000.00
Total Service Connections: 1,534.00
Number of Employees: 4.00
Treatment Operator Class: 2D
Distribution Operator Class: 2BD
Customer Rate for 1,000 Gallons: 2.99
O/M costs 1997: 348,731.00
O/M costs per Service Connection: 249.27
Net Revenue 1997: 15,014.00
Total Water Produced 1997 (gallons): 0.00
Water Sold 1997 (gallons): 126,726,000.00
Unaccounted-for Water 1997 (%): 12.28

The Bracken County Water District currently has two waterline extension projects underway. One is funded through a Community Development Block Grant for scattered extensions. The second project was funded through State Surplus Funds awarded to the County. This project will alleviate a bottleneck problem that exists between the system's two (2) divisions by increasing line size. The Western division, through its current waterlines, cannot provide adequate flow to its customers because of undersized waterlines.

The district has applied for funding for approximately 57.5 miles of additional line extensions. To date, the funds have not been awarded. Three (3) long-term projects are also identified. They consist of approximately 64 miles of waterline. There were 88 households identified as not practical and alternative systems were recommended.

BROOKSVILLE UTILITY

PWSID: 0120044
System Type:..... COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source: BRACKEN COUNTY WATER DISTRICT
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 0.00
Total Tank Storage Capacity (gallons): 50,000.00
Total Service Connections: 327.00
Number of Employees:..... 2.00
Treatment Operator Class: 1D
Distribution Operator Class:
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 2,450 residents of Bracken County rely on private domestic water supplies: about 450 on wells and 2,000 on other sources.

The alluvium along the Ohio River is the best source of ground water in the county. Many properly constructed drilled wells will produce several hundred gallons per minute from the

alluvium, with most wells able to produce enough for a domestic supply at depths of less than 100 feet. Water is hard or very hard but otherwise of good quality.

In the lower third of the Licking River valley and the lower sections of the larger creek valleys discharging into the Ohio River in Bracken County most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. Some wells located in the major creek valleys will produce enough water for a domestic supply except during dry weather. In the upland areas of Bracken County, which encompasses 80% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines that may produce enough water except during dry weather. Ground water in these areas is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
